

Listing of the claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Please amend the following claims:

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B29/ 129. (Currently Amended) ~~An~~ A handheld apparatus including:
a hardware interface to be connected to a processing device and to an attachable sensor, the attachable sensor to perform data acquisition when attached to the hardware interface;

a data module to interact with ~~at least one~~ the sensor and with the processing device;

a display module to display data collection results on a display of the processing device.

130. (Previously Added) The apparatus of claim 129 wherein the processing device is a handheld processing device.

131. (Previously Added) The apparatus of claim 129 wherein the processing device is a personal computer.

132. (Previously Added) The apparatus of claim 129 wherein the processing device is a combination of a handheld processing device and a personal computer.

133. (Previously Added) The apparatus of claim 129 further comprising a memory module to store data supplied by the at least one sensor.

134. (Previously Added) The apparatus of claim 129 wherein the software module further configured to calibrate the at least one sensor.

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135. (Previously Added) The apparatus of claim 129 further comprising an alert module to notify a user of the apparatus of an event based on data provided by the at least one sensor.

136. (Previously Added) The apparatus of claim 129 further comprising a power source.

137. (Currently Amended) The apparatus of claim 129 wherein the at least one sensor is a sensor for ~~detecting~~ assessing chemical composition ~~pH level~~ of a liquid sample.

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138. (Previously Added) The apparatus of claim 129 wherein the at least one sensor is a sensor for monitoring athletic activity.

139. (Currently Amended) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting acceleration changes ~~during automobile rides~~.

140. (Currently Amended) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting light of ~~photographic conditions~~.

141. (Previously Added) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting temperature.

142. (Previously Added) The apparatus of claim 129 wherein the at least one sensor is an analog sensor.

143. (Currently Amended) The apparatus of claim 129 wherein the at least one sensor is a digital sensor.

144. (Previously Added) The apparatus of claim 129 wherein the data module includes an analog-to-digital converter.

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145. (Previously Added) The apparatus of claim 129 wherein the data module processes the data prior to display of the data collection results on the display.

146. (Currently Amended) A handheld apparatus comprising:
a processing device;
a an attachable sensor to perform data acquisition; and
an adjustable module connected to the processing device and to the sensor, the adjustable module processing data received from the sensor and displaying the data on a display of the processing device, the sensor to perform data acquisition when connected to the adjustable module.

147. (Previously Added) The apparatus of claim 146 wherein the processing device is a handheld device.

148. (Previously Added) The apparatus of claim 146 wherein the processing device is a personal computer.

149. (Previously Added) The apparatus of claim 146 wherein the processing device is a combination of a handheld device and a personal computer.

150. (Previously Added) The apparatus of claim 146 wherein the sensor is an analog sensor.

151. (Previously Added) The apparatus of claim 146 wherein the sensor is a digital sensor.

152. (Previously Added) The apparatus of claim 146 wherein the adjustable module includes an analog-to-digital converter.

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153. (Previously Added) The apparatus of claim 146 wherein the adjustable module further calibrates the sensor.

154. (Previously Added) The apparatus of claim 146 wherein the adjustable module further generates graphical representation of the data received from the sensor.

155. (Previously Added) The apparatus of claim 146 wherein the adjustable module further directs the sensor to change data collection features of the sensor based on at least one user instruction.

156. (Previously Added) The apparatus of claim 146 wherein the adjustable module further alerts a user of the apparatus of an event based on data received from the sensor.

157. (Previously Added) The apparatus of claim 146 wherein the sensor is a sensor from a group including temperature sensor, acceleration sensor, radiation sensor, chemical sensor, biological sensor, weight sensor, bar code sensor, inventory tag sensor, motion sensor, infrared sensor, pH level sensor, heart monitor sensor.

158. (Currently Amended) A method comprising:

receiving data from a an attachable sensor, ~~the sensor~~ connected to an attachable device, the attachable sensor performing data acquisition when connected to the attachable device, wherein the attachable device connected to a handheld processing device;

processing the data at the attachable device; and

providing results of the processing to a the processing device for display.

159. (Previously Added) The method of claim 158 wherein the processing the data includes generating graphical representation of the data.

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160. (Previously Added) The method of claim 158 wherein the processing the data includes converting the data into digital form.

161. (Previously Added) The method of claim 158 wherein the processing the data includes determining whether an event occurs.

162. (Previously Added) The method of claim 161 further comprising generating alert signal to display at the processing device if the event occurs.

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163. (Previously Added) The method of claim 158 further comprising calibrating the sensor based on at least one instruction of a user.

164. (Previously Added) The method of claim 158 further comprising annotating the data based on at least one instruction of a user.

165. (Previously Added) The method of claims 158 further comprising changing options of the sensor based on at least one instruction of the user.

166. (Previously Added) The method of claim 165 wherein options include sampling rates.

167. (Previously Added) The method of claim 165 wherein options include a scale of measurement.

168. (Previously Added) The method of claim 165 wherein options include measurement units.

169. (Previously Added) The method of claim 158 further comprising changing display of the data based on user actions.

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170. (Previously Added) The method of claim 169 wherein the user actions are provided via a set of controls of the processing device.

171. (Currently Amended) An apparatus comprising:

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means for receiving data from a an attachable sensor, ~~the sensor~~ connected to an attachable device, the attachable sensor performing data acquisition when connected to the attachable device, wherein the attachable device connected to a handheld processing device;

means for processing the data at the attachable device; and

means for providing results of the processing to a the processing device for display.